COPY OF PAPERS ORIGINALLY FILED

Sheet Cop Y

FORM PTO-1449

MR 5 8 5005

LIST OF DISCLOSURES OF THE PROPERTY OF THE PRO

(Use several sheets if necessary)

U.S. Dept. of Commerce

Patent and Trademark Office

Atty Docket No. P0645P4D2C3

Serial No.

Applicant

Garrard et al.

Filing Date
21 Nov 2000

Group -1616 1636

U.S. PATENT DOCUMENTS

Examiner nitials		Document Number	Date	Name	Class	Subclass	Filing Date
DI	* 4	4,593,002	03.06.86	Dulbecco, R.			
De	* 5	5,223,409	29.06.93	Ladner et al.			
A PARTY	* 6	5,403,484	04.04.95	Ladner et al.			-WED
DL	* 7	5,427,908	27.06.95	Dower et al.	\	REC	EWED
31	* 8	5,432,018	11.07.95	Dower et al.			2002
BL	* 9	5,498,538	12.03.96	Kay et al.		SEP	0 3 2002
7	*10	5,534,617	09.07.96	Cunningham et al.			> Localood
151_	*11	5,571,698	05.11.96	Ladner et al.		TECH CI	NTER 1600 290
7/	*12	5,663,143	02.09.97	Ley et al.		150110	
De l	*13	5,688,666	18.11.97	Bass et al.			
DI	*14	5,723,286	03.03.98	Dower et al.			

FOREIGN PATENT DOCUMENTS

:xaminer		Document Number	Date		Country	Class	Subclass	Translati Yes	ion No
DI	*15	WO 90/02809	22.03.90	PCT					
II	*16	WO 90/04788	03.05.90	PCT					
~ /	*17	WO 92/01047	23.01.92	PCT			<u> </u>		

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

Armstrong et al., "Domain Structure of Bacteriophage fd Adsorption Protein" FEBS Letters 135(1):167-172

Ĵ,	4	*18	(1981)
	P	*19	Bass et al., "Hormone Phage: An Enrichment Method for Variant Proteins with Altered Binding Properties" Proteins: Structure, Function, and Genetics 8(4):309-314 (1990)
E	2	*20	Boeke et al., "Processing of filamentous phage pre-coat protein: Effect of sequence variations near the signal peptidase cleavage site" <u>J. Mol. Biol.</u> 144:103-116 (1980)
4	H	*21	Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions" <u>Science</u> 247:1306-1310 (1990)
Į.	L	*22	Chang et al., "High-Level Secretion of Human Growth Hormone by Escherichia coli." <u>Gene.</u> 55:189-196 (1987)
7			Chang et al., "Nucleotide sequence of the alkaline phosphatase gene of Escherichia Coli" <u>Gene</u> 44:121-125

*23 (1986)

Charbit et al., "Versatility of a vector for expressing foreign polypeptides at the surface of Gram-negative bacteria" Gene 70:181-189 (1988)

Crissman et al., "Gene-III protein of filamentous phages: evidence for a carboxyl-terminal domain with a role in morphogenesis" Virology 132(2):445-455 (1984)

Cunningham and Wells, "High-Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning
*26 Mutagenesis" Science 244:1081-1085 (1989)

Cunningham et al., "Engineering human prolactin to bind to the human growth hormone receptor" Science 247:1461-1465 (1990)

xáminer

*27

Date Considered

9/10/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

		CECLIVE COPY OF	PAPERS					
	,	THE CENTER OF COPY OF	Y-FILED	Sheet 2 of 3				
FORM	M PTO-	1449 SEP U.S. Dept, of Commerce	Atty Docket No.	Serial No.				
!		AND 2 3 2002	P0645P4D2C3	09/717,641				
1		CENTARA BATT Trademark Office	Applicant					
LIST OF DISCLOSURES CITED BY ARREICANT TEUT								
/1	lloo oo	varial abouts if necessary)	Filing Date	Group				
(Use several sheets if necessary) 21 Nov 2000								
	OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) [Cwirla et al., "Peptides on phage: a vast library of peptides for identifying ligands" Proc. Natl. Acad							
DP	*28	Sci. USA 87(16):6378-6382 (1990)	tor identifying rigand	s rioc. Nacr. Acad.				
	 	De la Cruz et al., "Immunogenicity and epitope mapping of fore		tically engineered				
J)	*29	filamentous phage" <u>Journal of Biological Chemistry</u> 263(9):4318-						
	 	Devlin et al., "Random peptide libraries: a source of specific	protein binding molec	ules" <u>Science</u>				
H	*30	249:404-406 (1990)						
SI	*31	Fendly, B.M. et al., "Characterization of Murine Monoclonal And Epidermal Growth Factor Receptor or HER2/neu Gene Product" Cand	cer Research 50:1550-1	558 (Mar 1, 1990)				
31	*32	Fuh et al., "The human growth hormone receptor. Secretion from pattern of the extracellular binding domain" Journal of Biological Secretary (Company)	Escherichia coli and ical Chemistry 265(6):	disulfide bonding 3111-3115 (1990)				
		Gallusser et al., "Initial steps in protein membrane insertion	. Bacteriophage M13 pr	ocoat protein binds				
#	*33	to the membrane surface by electrostatic interaction <u>EMBO Jour</u> Garrard et al., "Fab assembly and enrichment in a monovalent pl						
DL	*34	9:1373-1377 (1991)						
Ko	*35	Geysen et al., "A priori delineation of a peptide which mimics Molecular Immunology 23(7):709-715 (1986)	a discontinuous antig	enic determinant"				
4	ļ	Geysen, "Antigen - antibody interactions at the molecular level: adventures in peptide synthesis"						
DL	*36	Immunology Today 6:364-369 (1985)						
Sl	*37	Gussow et al., "Generating Binding Activities from Escherichia coli by Expression of a Repertoire of Immunoglobulin Variable Domains" Cold Spring Harbor Symposia on Quantitative Biology 54:265-272 (1989)						
DL	*38	Huse et al., "Generation of a large combinatorial library of the lambda" <u>Science</u> 246:1275-1281 (1989)						
50	*39	Ilyichev et al., "Obtaining a Viable Variant of Phage M13 with Protein of the Envelope" Dokl. Akad. Nauk. SSSR 307:481-3 (1985)	a Foreign Peptide Ins)	erted into the Main				
	*40	Jennings et al., "Fimbriae of Bacteroides nodosus: protein engiproduction of an exogenous peptide" Protein Eng. 2(5):365-369		ural subunit for the				
30	*41	Kuhn et al., "Isolation of mutants in M13 coat protein that aff assembly into phage" <u>Journal of Biological Chemistry</u> 260:15907-	ect its synthesis, pro- 15913 (1985)	ocessing, and				
		Kunkel et al., "Rapid and Efficient Site-specific Mutagenesis W	Without Phenotypic Sel	ection" Methods in				
H	*42	Enzymology 154:367-382 (1987)						
31	*43	Kurnit et al., "Improved genetic selection for screening bacter recombination in vivo" Proc. Natl. Acad. Sci. USA 87:3166-3169		homologous				
N/	*44	Lowman et al., "Selecting High-Affinity Binding Proteins by Mor 30(45):10832-10838 (1991)	ovalent Phage Display	Biochemistry				
1	<u> </u>	Marvin et al., "Filamentous Bacterial Viruses" Bacteriological	Reviews 33(2):172-209	(1969)				
DL	*45	*45						
Bl	*46	Matsumura et al., "Stabilization of phage T4 lysozyme by engineered disulfide bonds" Proc. Natl. Acad. Sci. USA 86:6562-6566 (1989)						
15/	*47	McCafferty et al., "Phage antibodies: filamentous phage display 348:552-554 (1990)	ring antibody variable	domains" <u>Nature</u>				
examine	er 💙		ate Considered	10/0-				
	<i>\\ \)</i>	and fambertson		10/02				
*Examil	ner: Ini	tial if reference considered, whether or not citation is in conformance with MPEP ormance and not considered. Include copy of this form with next communication	609; draw line through cital to applicant.	tion				
I II IIUL	iii COIII	ormanice and not considered. Include copy of this form with next confindingation.	· abbuseur	i				

Sheet $\frac{3}{}$ of $\frac{3}{}$

FORM PTO-1449

AUG 2 9 2002

RECEIVE Bept. of Commerce

Atty Docket No. P0645P4D2C3

Serial No.

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary) TFCH CENTER 1600/2900

Applicant
Garrard et al.

Filing Date

Group

21 Nov 2000

1636

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)								
70	McFarland et al., "Lutropin-Choriogonadotropin Receptor: An Unusual Member of the G Protein-Coupled Receptor Family" Science 245:494-499 (1989)							
R	*49	Orlandi et al., "Cloning Immunoglobulin Variable Domains for Expression by the Polymerase Chain Reaction" Proc. Natl. Acad. Sci. USA 86:3833-3837 (May 1989)						
W.	Parmley et al., "Antibody-selectable filamentous fd phage vectors: affinity purification of target *50 genes" Gene 73:305-318 (1988)							
	Queen et al., "A humanized antibody that binds to the interleukin 2 receptor" Proc. Natl. Acad. Sci. Us							
#	*51	Rasched et al., "Ff coliphages: structural and functional relationships" Microbiol. Rev. 50(4):401-427						
H	*52	(1986)						
2/	*53							
DL	*54	Roberts et al., "Directed evolution of a protein: Selection of potent neutrophil elastase inhibitors displayed on M13 fusion phage" Proc. Natl. Acad. Sci USA 89:2429-2433 (1992)						
DI	*55	Rutter et al., "Redesigning Proteins via Genetic Engineering" Protein Engineering, Oxender & Fox, Chapter 23, pps. 257-267 (1987)						
BI	Sambrook et al. Molecular cloning: a laboratory manual, 2nd edition edition, Cold Spring Harbor, New York:Cold Spring Harbor Laboratory Press pps. 4.17-4.19 (1989)							
BI	*57	Scott and Smith, "Searching for peptide ligands with an epitope library" Science 249:386-390 (1990)						
DP	* 58	Scott et al., "Cataloging germline immunoglobulin V(lambda) genes by direct analysis of cellular DNA" ICSU Short Reports, Volume 2: Advances in Gene Technology: Molecular Biology of the Immune System (Miami						
Bo	*59	Winter Symposium (17th:1985)), Streilein et al., ICSU Press pps. 289-290 (1985) Short et al., "A ZAP: A Bacteriophage A Expression Vector with In Vivo Excision Properties" Nucleic Acids Research 16(15):7583-7600 (1988)						
100	*60	Shortle,, "Genetic Strategies for Analyzing Proteins" <u>Protein Engineering</u> , Oxender & Fox (eds.), New York:A.R. Liss, Inc. pps. 103-108 (1985)						
Ro	*61	Smith, "Filamentous fusion phage: novel expression vectors that display cloned antigens on the virion surface" Science 228(4705):1315-1317 (1985)						
3	*62	Smith, "Filamentous phage assembly: Morphogenetically defective mutants that do not kill the host" Virology 167:156-165 (1988)						
BI	* 63	Vieira et al., "Production of Single-stranded Plasmid DNA" Methods in Enzymology 153:3-11 (1987)						
50	Wang et al., "A vector that expresses secreted proteins on the cell surface" DNA 8(10):753-758 (1989)							
FI	*65	Wells et al., "Cassette Mutagenesis: An Efficient Method for Generation of Multiple Mutations at Defined						
7	*66	Wells, J. A., "Additivity of Mutational Effects in Proteins" <u>Biochemistry</u> 29(37):8509-8517 (Sep 18, 1990)						
9								
Examine	\mathcal{L}	Paird Lambertson Date Considered 9/10/02						

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation

if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM'PTO-14 LIST OF DISCLOSURES OF ED BY APPLICANT

y Docket No. P0645P4D2C3

Serial No.

Sheet $\underline{1}$ of $\underline{1}$

Applicant

Garrard et al.

Group

09/717,641

APR 1 0 2001 TECH CENTER 1600/2900

Filing Date

(Use several sheets if necessary)			TECH CENTER 1600/2900	Filing Date 21 Nov 2000	Group 1646-1636
		OTHER D	DISCLOSURES (Including Author, Title, Date,	Pertinent Pages, etc.)	
DL	1		A High Efficiency Plasmid Transforming BioTechniques 5:376-378 (1987)	ng recA Escherichis C	oli Strain with
DL	2	displaying antibody (Fab) h	ubunit proteins on the surface of fi eavy and light chains" <u>Nucleic Acids</u>	Research 19(15):4133	-4137 (1991)
DL	3	Taylor et al., "The rapid g phosphorothioate-modified D	eneration of oligonucleotide-directed NA" <u>Nucleic Acids Research</u> 13:8765-87	d mutations at high f 785 (1985)	requency using
	•				
		•			
Examine	<u>'</u>	ind familiates	Dat	e Considered)2_
*Examin	er: Init	ial if reference considered, whether	or not citation is in conformance with MPEP 6		

if not in conformance and not considered. Include copy of this form with next communication to applicant.